

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicant:</b>	Alistair C.H. Rowe, et al.	<b>Examiner:</b>	Unassigned
<b>Serial No.:</b>	Unassigned	<b>Group Art Unit:</b>	Unassigned
<b>Filed:</b>	Herewith	<b>Docket:</b>	16791 (03006)
<b>For:</b>	Extraordinary Piezoconductance in Inhomogeneous Semiconductors	<b>Dated:</b>	July 24, 2003

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. US Patent No.: 5,663,507, dated September 2, 1997, issued to Robert M. Westervelt, et al.;
2. T. Zhou, et al.; "Extraordinary magnetoresistance in externally shunted van der Pauw plates"; Applied Physics Letters; Vol. 78; No. 5; pp. 667-69; (2001);
3. S.A. Solin, et al.; "Nonmagnetic semiconductors as read-head sensors for ultra-high-density magnetic recording"; Applied Physics Letters; Vol. 80; No. 21; pp. 4012-14; (2002);

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

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I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450 on July 24, 2003.

Dated: July 24, 2003

  
Paul J. Esatto, Jr., Esq.

4. A.C.H. Rowe, et al.; "A uniaxial tensile stress apparatus for temperature-dependent magnetotransport and optical studies of thin films"; Review of Scientific Instruments; Vol. 73; No. 12; pp. 4270-76; (2002)
5. S.A. Solin, et al.; "Enhanced Room-Temperature Geometric Magnetoresistance in Inhomogeneous Narrow-Gap Semiconductors"; Science; Vol. 289; pp. 1530-32; (2000)
6. C.A. Mead, et al.; "Fermi Level Position at Metal-Semiconductor Interfaces"; Physical Review; Vol. 134; No. 3A; pp. A713-16; (1964);
7. G. Margaritondo; "Interface states at semiconductor junctions"; Rep. Prog. Phys.; Vol. 62; pp. 7650-808; (1999)
8. C.S. Gworek, et al.; "Pressure dependence of Cu, Ag, and Fe/n-GaAs Schottky barrier heights"; Phy. Rev.B; Vol. 64; pp. 045322-1 – 6; (2001)
9. Peter Van Vessel et al.; "Rediscovering the Strain Gauge Pressure Sensor"; Sensors; 8 pps.; (1999);
10. Adhesives List printed from [www.tokyosokki.co.jp/e/product...](http://www.tokyosokki.co.jp/e/product...); on 6/27/2003;
11. Fujidura Semiconductor Pressure Sensors printed from [www.fujidura.co.jp/sensor/press/intro...](http://www.fujidura.co.jp/sensor/press/intro...) on 6/27/2003; and
12. Y. Ohmura; "Piezoresistance Effect in p-Type Semiconductors Si and Ge"; 21<sup>st</sup> International Conference on The Physics of Semiconductors; Vol. 1; pp. 273-76; (1992).

Applicants are submitting copies of the above-cited references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,



Paul J. Esatto, Jr.

Registration No.: 30,749

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PJE:RFH:rjl

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

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Applicant(s)  
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Group Art Unit  
Unassigned

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,663,507	09/02/97	Westervelt, et al.			

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		T. Zhou, et al.; "Extraordinary magnetoresistance in externally shunted van der Pauw plates"; <u>Applied Physics Letters</u> ; Vol. 78; No. 5; pp. 667-69; (2001)
		S.A. Solin, et al.; "Nonmagnetic semiconductors as read-head sensors for ultra-high-density magnetic recording"; <u>Applied Physics Letters</u> ; Vol. 80; No. 21; pp. 4012-14; (2002)
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	G. Margaritondo; "Interface states at semiconductor junctions"; <u>Rep. Prog. Phys.</u> ; Vol. 62; pp. 7650-808; (1999)
	C.S. Gworek, et al.; "Pressure dependence of Cu, Ag, and Fe/n-GaAs Schottky barrier heights"; <u>Phy. Rev.B</u> ; Vol. 64; pp. 045322-1 - 6; (2001)
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Adhesives List printed from <a href="http://www.tokyosokki.co.jp/e/product">www.tokyosokki.co.jp/e/product</a> . . . ; on 6/27/2003
		Fujidura Semiconductor Pressure Sensors printed from <a href="http://www.fujidura.co.jp/sensor/press/intro">www.fujidura.co.jp/sensor/press/intro</a> . . ." on 6/27/2003
		Y. Ohmura; "Piezoresistance Effect in p-Type Semiconductors Si and Ge"; 21 <sup>st</sup> International Conference on The Physics of Semiconductors; Vol. 1; pp. 273-76; (1992

  

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